

A novel formulation is provided that serves to specifically inhibit the COX-2 mediated inflammatory response in animals. The formulation comprises comprising an effective amount of component I selected from the group consisting of alpha acids and beta acids and an effective amount of at least one component II selected from the group consisting of alpha acids, beta acids, essential oils, fats and waxes, with the proviso that component I and II are not the same compound. The composition provides specific inhibition of cyclooxygenase-2 with little or no effect on cyclooxygenase-1.

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